GenCore version 5.1.6

)M nucleic - nucleic search, using sw model

!un on: April 10, 2004, 21:17:19 ; Search time 1086 Seconds
(without alignments)
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'itle: US-08-892-695-10
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)coring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

)earched: 2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0
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)ost-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	1	3183.6	99.9	3186	8	US-08-731-499-10	Sequence 10, Appl
	2	3043	95.5	5632	14	US-10-177-293-505	Sequence 505, App
	3	1559.6	49.0	10365	8	US-08-731-499-9	Sequence 9, Appli
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	5	444.4	13.9	469	13	US-10-040-739-520	Sequence 520, App
c	6	401.4	12.6	530	14	US-10-029-386-9711	Sequence 9711, Ap
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	8	164	5.1	267	9	US-09-783-590-9057	Sequence 9057, Ap
	9	104.4	3.3	6033	12	US-10-342-887-1511	Sequence 1511, Ap
	10	104.4	3.3	8156	14	US-10-074-475-93	Sequence 93, Appl
c	11	67.6	2.1	1014	14	US-10-029-386-20910	Sequence 20910, A
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	29	59.8	1.9	2703	15	US-10-264-049-841	Sequence 841, App
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	45	58.8	1.8	3152	12	US-10-466-164-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-08-731-499-10
; Sequence 10, Application US/08731499
; Publication No. US20030148270A1
; GENERAL INFORMATION:
; APPLICANT: GRAY, Joe W.
; APPLICANT: COLLINS, Colin
; APPLICANT: HWANG, Soo-In
; APPLICANT: GODFREY, Tony
; APPLICANT: KOWBEL, David
; APPLICANT: ROMMENS, Johanna
; TITLE OF INVENTION: GENES FROM THE 20q13 AMPLICON AND THEIR
; TITLE OF INVENTION: USES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/731,499
; FILING DATE: 16-OCT-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/680,395
; FILING DATE: 15-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 23070-068910
; TELECOMMUNICATION INFORMATION:

```
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3186 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     FEATURE:
;       NAME/KEY:  -
;       LOCATION:  1..3186
;       OTHER INFORMATION:  /note= "ZABC1 Open Reading Frame"
US-08-731-499-10

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  Matches 3180;  Conservative    6;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy      2941 CCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGGGCCACTTTACACTTGTGTG 3000
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2941 CCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGGGCCACTTTACACTTGTGTG 3000

Qy      3001 CCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAGAAGGTCTTGGTGGATGTCAGTGCTTA 3060
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      3001 CCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAGAAGGTCTTGGTGGATGTCAGTGCTTA 3060

Qy      3061 CTCCCCATGAAATTAAATTTTACTTCATCCTTTGAGAAGCGAATGGTGAAAGCTACTGAA 3120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      3061 CTCCCCATGAAATTAAATTTTACTTCATCCTTTGAGAAGCGAATGGTGAAAGCTACTGAA 3120

Qy      3121 ATAAGCTGTGATTGTACTGTACATAAAACATATGAGGAATCTGCAAGGAACACTACAGTT 3180
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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RESULT 2
US-10-177-293-505
; Sequence 505, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 505
; LENGTH: 5632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-177-293-505

Query Match 95.5%; Score 3043; DB 14; Length 5632;
Best Local Similarity 96.0%; Pred. No. 0;
Matches 3186; Conservative 0; Mismatches 0; Indels 133; Gaps 1;

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Qy          1 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGATGGG 60
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Db        272 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGATGGG 331
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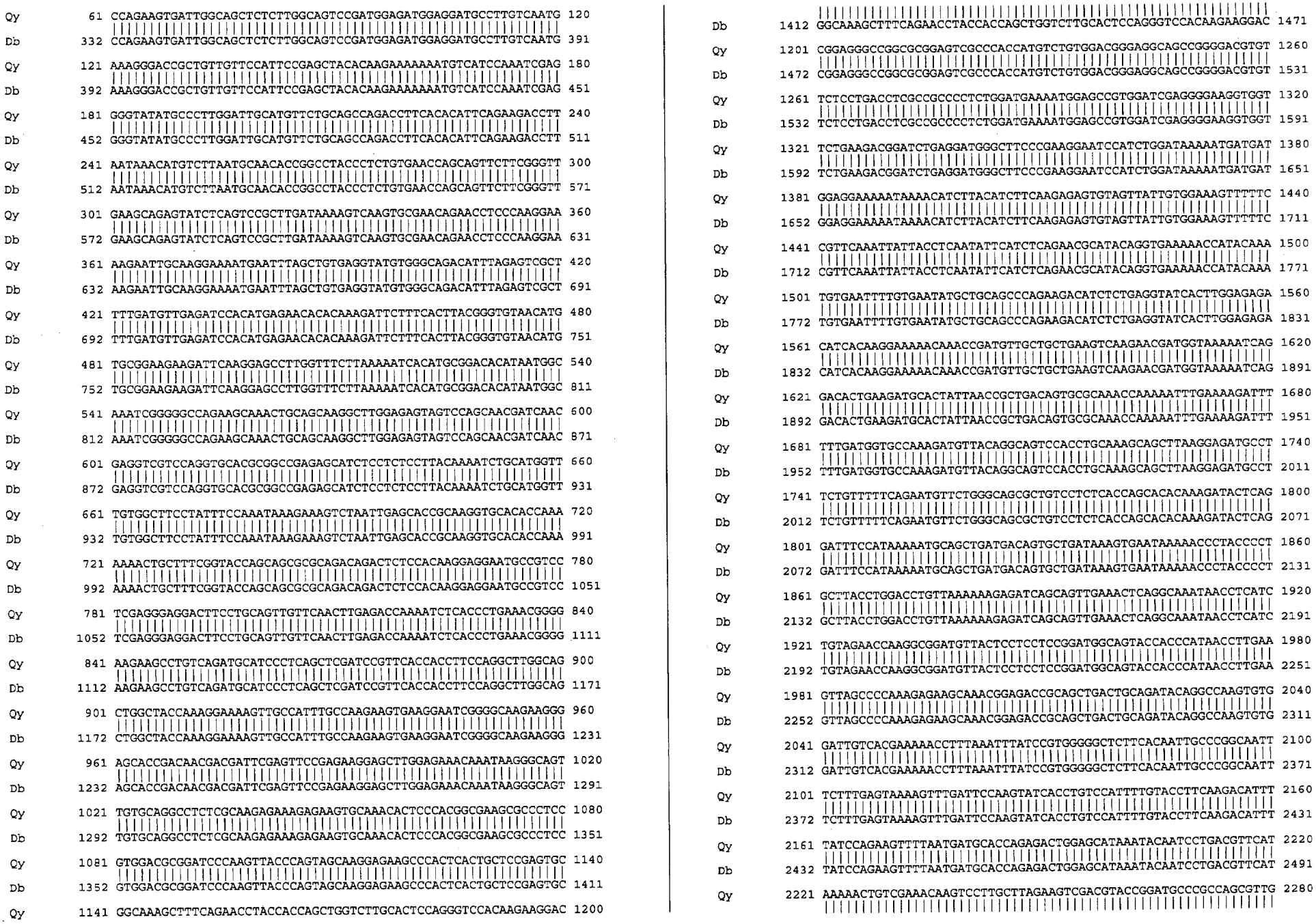
Qy 61 CCAGAAGTGATTGGCAGCTCTCTTGGCAGTCCGATGGAGATGGAGGATGCCTTGTCAATG 120
Db 332 CCAGAAGTGATTGGCAGCTCTCTTGGCAGTCCGATGGAGATGGAGGATGCCTTGTCAATG 391
Qy 121 AAAGGGACCGCTGTTGTTCCATTCCGAGCTACACAAGAAAAAAATGTCATCCAAATCGAG 180
Db 392 AAAGGGACCGCTGTTGTTCCATTCCGAGCTACACAAGAAAAAAATGTCATCCAAATCGAG 451
Qy 181 GGGTATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCTT 240
Db 452 GGGTATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCTT 511
Qy 241 AATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGTT 300
Db 512 AATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGTT 571
Qy 301 GAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGAA 360
Db 572 GAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGAA 631
Qy 361 AAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCT 420
Db 632 AAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCT 691
Qy 421 TTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATG 480
Db 692 TTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATG 751
Qy 481 TGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGC 540
Db 752 TGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGC 811
Qy 541 AAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAAC 600
Db 812 AAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAAC 871
Qy 601 GAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGTT 660
Db 872 GAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGTT 931
Qy 661 TGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAAA 720
Db 932 TGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAAA 991
Qy 721 AAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTCC 780
Db 992 AAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTCC 1051
Qy 781 TCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGGG 840
Db 1052 TCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGGG 1111
Qy 841 AAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCAG 900
Db 1112 AAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCAG 1171
Qy 901 CTGGCTACCAAAGGAAAAGTTGCCATTTGCCAAGAAGTGAAGGAATCGGGGCAAGAAGGG 960
Db 1172 CTGGCTACCAAAGGAAAAGTTGCCATTTGCCAAGAAGTGAAGGAATCGGGGCAAGAAGGG 1231
Qy 961 AGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAGT 1020
Db 1232 AGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAGT 1291
Qy 1021 TGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCC 1080
Db 1292 TGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCC 1351
Qy 1081 GTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGC 1140
Db 1352 GTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGC 1411
Qy 1141 GGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGAC 1200
Db 1412 GGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGAC 1471
Qy 1201 CGGAGGGCCGGCGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGT 1260
Db 1472 CGGAGGGCCGGCGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGT 1531
Qy 1261 TCTCCTGACCTCGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGT 1320
Db 1532 TCTCCTGACCTCGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGT 1591
Qy 1321 TCTGAAGACGGATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGATAAAAATGATGAT 1380
Db 1592 TCTGAAGACGGATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGATAAAAATGATGAT 1651
Qy 1381 GGAGGAAAAATAAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTTC 1440
Db 1652 GGAGGAAAAATAAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTTC 1711
Qy 1441 CGTTCAAATTATTACCTCAATATTCATCTCAGAACGCATACAGGTGAAAAACCATACAAA 1500
Db 1712 CGTTCAAATTATTACCTCAATATTCATCTCAGAACGCATACAGGTGAAAAACCATACAAA 1771
Qy 1501 TGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCTGAGGTATCACTTGGAGAGA 1560
Db 1772 TGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCTGAGGTATCACTTGGAGAGA 1831
Qy 1561 CATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAAGAACGATGGTAAAAATCAG 1620
Db 1832 CATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAAGAACGATGGTAAAAATCAG 1891
Qy 1621 GACACTGAAGATGCACTATTAACCGCTGACAGTGCGCAAACCAAAAATTTGAAAAGATTT 1680
Db 1892 GACACTGAAGATGCACTATTAACCGCTGACAGTGCGCAAACCAAAAATTTGAAAAGATTT 1951
Qy 1681 TTTGATGGTGCCAAAGATGTTACAGGCAGTCCACCTGCAAAGCAGCTTAAGGAGATGCCT 1740
Db 1952 TTTGATGGTGCCAAAGATGTTACAGGCAGTCCACCTGCAAAGCAGCTTAAGGAGATGCCT 2011
Qy 1741 TCTGTTTTTCAGAATGTTCTGGGCAGCGCTGTCCTCTCACCAGCACACAAAGATACTCAG 1800
Db 2012 TCTGTTTTTCAGAATGTTCTGGGCAGCGCTGTCCTCTCACCAGCACACAAAGATACTCAG 2071
Qy 1801 GATTTCCATAAAAATGCAGCTGATGACAGTGCTGATAAAGTGAATAAAAACCCTACCCCT 1860
Db 2072 GATTTCCATAAAAATGCAGCTGATGACAGTGCTGATAAAGTGAATAAAAACCCTACCCCT 2131
Qy 1861 GCTTACCTGGACCTGTTAAAAAAGAGATCAGCAGTTGAAACTCAGGCAAATAACCTCATC 1920
Db 2132 GCTTACCTGGACCTGTTAAAAAAGAGATCAGCAGTTGAAACTCAGGCAAATAACCTCATC 2191
Qy 1921 TGTAGAACCAAGGCGGATGTTACTCCTCCTCCGGATGGCAGTACCACCCATAACCTTGAA 1980
Db 2192 TGTAGAACCAAGGCGGATGTTACTCCTCCTCCGGATGGCAGTACCACCCATAACCTTGAA 2251
Qy 1981 GTTAGCCCCAAAGAGAAGCAAACGGAGACCGCAGCTGACTGCAGATACAGGCCAAGTGTG 2040
Db 2252 GTTAGCCCCAAAGAGAAGCAAACGGAGACCGCAGCTGACTGCAGATACAGGCCAAGTGTG 2311
Qy 2041 GATTGTCACGAAAAACCTTTAAATTTATCCGTGGGGGCTCTTCACAATTGCCCGGCAATT 2100
Db 2312 GATTGTCACGAAAAACCTTTAAATTTATCCGTGGGGGCTCTTCACAATTGCCCGGCAATT 2371
Qy 2101 TCTTTGAGTAAAAGTTTGATTCCAAGTATCACCTGTCCATTTTGTACCTTCAAGACATTT 2160
Db 2372 TCTTTGAGTAAAAGTTTGATTCCAAGTATCACCTGTCCATTTTGTACCTTCAAGACATTT 2431
Qy 2161 TATCCAGAAGTTTTAATGATGCACCAGAGACTGGAGCATAAATACAATCCTGACGTTCAT 2220
Db 2432 TATCCAGAAGTTTTAATGATGCACCAGAGACTGGAGCATAAATACAATCCTGACGTTCAT 2491
Qy 2221 AAAAACTGTCGAAACAAGTCCTTGCTTAGAAGTCGACGTACCGGATGCCCGCCAGCGTTG 2280

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Db       2492 AAAAACTGTCGAAACAAGTCCTTGCTTAGAAGTCGACGTACCGGATGCCCGCCAGCGTTG 2551

Qy       2281 CTGGGAAAAGATGTGCCTCCCCTCTCTAGTTTCTGTAAACCCAAGCCCAAGTCTGCTTTC 2340
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Db       2552 CTGGGAAAAGATGTGCCTCCCCTCTCTAGTTTCTGTAAACCCAAGCCCAAGTCTGCTTTC 2611

Qy       2341 CCGGCGCAGTCCAAATCCCTGCCATCTGCGAAGGGGAAGCAGAGCCCTCCTGGGCCAGGC 2400
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2612 CCGGCGCAGTCCAAATCCCTGCCATCTGCGAAGGGGAAGCAGAGCCCTCCTGGGCCAGGC 2671

Qy       2401 AAGGCCCCTCTGACTTCAGGGATAGACTCTAGCACTTTAGCCCCAAGTAACCTGAAGTCC 2460
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Db       2672 AAGGCCCCTCTGACTTCAGGGATAGACTCTAGCACTTTAGCCCCAAGTAACCTGAAGTCC 2731

Qy       2461 CACAGACCACAGCAGAATGTGGGGGTCCAAGGGGCCGCCACCAGGCAACAGCAATCTGAG 2520
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Db       2732 CACAGACCACAGCAGAATGTGGGGGTCCAAGGGGCCGCCACCAGGCAACAGCAATCTGAG 2791

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             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db       2852 TTGAAACCTCTTCCAGTAGCTCCTTCTCAGCCCACCCTCGGCAGCAGTAACATCAATGGT 2911

Qy       2641 TCCATCGACTACCCCGCCAAGAACGACAGCCCGTGGGCACCTCCGGGAAGAGACTATTTC 2700
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Db       2912 TCCATCGACTACCCCGCCAAGAACGACAGCCCGTGGGCACCTCCGGGAAGAGACTATTTC 2971

Qy       2701 TGTAATCGGAGTGCCAGCAATACTGCAGCAGAATTTGGTGAGCCCCTTCCAAAAAGACTG 2760
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2972 TGTAATCGGAGTGCCAGCAATACTGCAGCAGAATTTGGTGAGCCCCTTCCAAAAAGACTG 3031

Qy       2761 AAGTCCAGCGTGGTTGCCCTTGACGTTGACCAGCCCGGGGCCAATTACAGAAGAGGCTAT 2820
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3032 AAGTCCAGCGTGGTTGCCCTTGACGTTGACCAGCCCGGGGCCAATTACAGAAGAGGCTAT 3091

Qy       2821 GACCTTCCCAAGTACCATATGGTCAGAGGCATCACATCACTGTTACCGCAGGACTGTGTG 2880
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3092 GACCTTCCCAAGTACCATATGGTCAGAGGCATCACATCACTGTTACCGCAGGACTGTGTG 3151

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Db       3152 TATCCGTCGCAGGCGCTGCCTCCCAAACCAAGGTTCCTGAGCTCCAGCGAGGTCGATTCT 3211

Qy       2941 CCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGGGCCACTTTACACTTGTGTG 3000
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Db       3212 CCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGGGCCACTTTACACTTGTGTG 3271

Qy       3001 CCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAG---------------------------- 3034
             ||||||||||||||||||||||||||||||||
Db       3272 CCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAGAAGGAAAAAGGCCTGTGTCATATCAA 3331

Qy       3035 ------------------------------------------------------------ 3034

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Qy       3035 ----------------------------------------------AAGGTCTTGGTGG 3047
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Db       3392 TATCGACCAAATGACAAAAAAACTTGATTCACTAATTAGGGGGAAAAAAGGTCTTGGTGG 3451

Qy       3048 ATGTCAGTGCTTACTCCCCATGAAATTAAATTTTACTTCATCCTTTGAGAAGCGAATGGT 3107
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Db       3452 ATGTCAGTGCTTACTCCCCATGAAATTAAATTTTACTTCATCCTTTGAGAAGCGAATGGT 3511

Qy       3108 GAAAGCTACTGAAATAAGCTGTGATTGTACTGTACATAAAACATATGAGGAATCTGCAAG 3167
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Db       3512 GAAAGCTACTGAAATAAGCTGTGATTGTACTGTACATAAAACATATGAGGAATCTGCAAG 3571

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Db       3572 GAACACTACAGTTGTGTAA 3590
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RESULT 3
US-08-731-499-9
; Sequence 9, Application US/08731499
; Publication No. US20030148270A1
;  GENERAL INFORMATION:
;    APPLICANT:  GRAY, Joe W.
;    APPLICANT:  COLLINS, Colin
;    APPLICANT:  HWANG, Soo-In
;    APPLICANT:  GODFREY, Tony
;    APPLICANT:  KOWBEL, David
;    APPLICANT:  ROMMENS, Johanna
;    TITLE OF INVENTION:  GENES FROM THE 20q13 AMPLICON AND THEIR
;    TITLE OF INVENTION:  USES
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/731,499
;      FILING DATE:  16-OCT-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/680,395
;      FILING DATE:  15-JUL-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunter, Tom
;      REGISTRATION NUMBER:  38,498
;      REFERENCE/DOCKET NUMBER:  23070-068910
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10365 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..10365
;      OTHER INFORMATION:  /note= "Genomic Sequence Encoding
;      OTHER INFORMATION:  ZABC1"
US-08-731-499-9

  Query Match             49.0%;  Score 1559.6;  DB 8;  Length 10365;
  Best Local Similarity   99.4%;  Pred. No. 0;
  Matches 1565;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       1482 AGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCT 1541
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       8286 AGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCT 8345

Qy       1542 GAGGTATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAA 1601
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       8346 GAGGTATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAA 8405

Qy       1602 GAACGATGGTAAAAATCAGGACACTGAAGATGCACTATTAACCGCTGACAGTGCGCAAAC 1661
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       8406 GAACGATGGTAAAAATCAGGACACTGAAGATGCACTATTAACCGCTGACAGTGCGCAAAC 8465

Qy       1662 CAAAAATTTGAAAAGATTTTTTGATGGTGCCAAAGATGTTACAGGCAGTCCACCTGCAAA 1721
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Db       8466 CAAAAATTTGAAAAGATTTTTTGATGGTGCCAAAGATGTTACAGGCAGTCCACCTGCAAA 8525

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Db       8526 GCAGCTTAAGGAGATGCCTTCTGTTTTTCAGAATGTTCTGGGCAGCGCTGTCCTCTCACC 8585

Qy       1782 AGCACACAAAGATACTCAGGATTTCCATAAAAATGCAGCTGATGACAGTGCTGATAAAGT 1841

Db       8586 AGCACACAAAGATACTCAGGATTTCCATAAAAATGCAGCTGATGACAGTGCTGATAAAGT 8645

Qy       1842 GAATAAAAACCCTACCCCTGCTTACCTGGACCTGTTAAAAAAGAGATCAGCAGTTGAAAC 1901

Db       8646 GAATAAAAACCCTACCCCTGCTTACCTGGACCTGTTAAAAAAGAGATCAGCAGTTGAAAC 8705

Qy       1902 TCAGGCAAATAACCTCATCTGTAGAACCAAGGCGGATGTTACTCCTCCTCCGGATGGCAG 1961

Db       8706 TCAGGCAAATAACCTCATCTGTAGAACCAAGGCGGATGTTACTCCTCCTCCGGATGGCAG 8765

Qy       1962 TACCACCCATAACCTTGAAGTTAGCCCCAAAGAGAAGCAAACGGAGACCGCAGCTGACTG 2021

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Qy       2082 TCACAATTGCCCGGCAATTTCTTTGAGTAAAAGTTTGATTCCAAGTATCACCTGTCCATT 2141

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Db       9306 CAGGCAACAGCAATCTGAGATGTTTCCTAAAACCAGTGTTTCCCCTGCACCGGATAAGAC 9365

Qy       2562 AAAAAGACCCGAGACAAAATTGAAACCTCTTCCAGTAGCTCCTTCTCAGCCCACCCTCGG 2621

Db       9366 AAAAAGACCCGAGACAAAATTGAAACCTCTTCCAGTAGCTCCTTCTCAGCCCACCCTCGG 9425

Qy       2622 CAGCAGTAACATCAATGGTTCCATCGACTACCCCGCCAAGAACGACAGCCCGTGGGCACC 2681

Db       9426 CAGCAGTAACATCAATGGTTCCATCGACTACCCCGCCAAGAACGACAGCCCGTGGGCACC 9485

Qy       2682 TCCGGGAAGAGACTATTTCTGTAATCGGAGTGCCAGCAATACTGCAGCAGAATTTGGTGA 2741

Db       9486 TCCGGGAAGAGACTATTTCTGTAATCGGAGTGCCAGCAATACTGCAGCAGAATTTGGTGA 9545

Qy       2742 GCCCCTTCCAAAAAGACTGAAGTCCAGCGTGGTTGCCCTTGACGTTGACCAGCCCGGGGC 2801

Db       9546 GCCCCTTCCAAAAAGACTGAAGTCCAGCGTGGTTGCCCTTGACGTTGACCAGCCCGGGGC 9605

Qy       2802 CAATTACAGAAGAGGCTATGACCTTCCCAAGTACCATATGGTCAGAGGCATCACATCACT 2861

Db       9606 CAATTACAGAAGAGGCTATGACCTTCCCAAGTACCATATGGTCAGAGGCATCACATCACT 9665

Qy       2862 GTTACCGCAGGACTGTGTGTATCCGTCGCAGGCGCTGCCTCCCAAACCAAGGTTCCTGAG 2921

Db       9666 GTTACCGCAGGACTGTGTGTATCCGTCGCAGGCGCTGCCTCCCAAACCAAGGTTCCTGAG 9725

Qy       2922 CTCCAGCGAGGTCGATTCTCCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGG 2981

Db       9726 CTCCAGCGAGGTCGATTCTCCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGG 9785

Qy       2982 GCCACTTTACACTTGTGTGCCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAGAAGGTCT 3041

Db       9786 GCCACTTTACACTTGTGTGCCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAGAAGGTAT 9845

Qy       3042 TGGTGGATGTCAGT 3055

Db       9846 TGCATGAGGGGCGT 9859
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RESULT 4
US-08-731-499-3
; Sequence 3, Application US/08731499
; Publication No. US20030148270A1
; GENERAL INFORMATION:
; APPLICANT: GRAY, Joe W.
; APPLICANT: COLLINS, Colin
; APPLICANT: HWANG, Soo-In
; APPLICANT: GODFREY, Tony
; APPLICANT: KOWBEL, David
; APPLICANT: ROMMENS, Johanna
; TITLE OF INVENTION: GENES FROM THE 20q13 AMPLICON AND THEIR
; TITLE OF INVENTION: USES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/731,499
; FILING DATE: 16-OCT-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/680,395
; FILING DATE: 15-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 23070-068910
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1507 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..1507

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      OTHER INFORMATION:  /note= "cDNA clone cc49 of 6-7kb
      OTHER INFORMATION:  transcript with homology to C2H2 zinc
      OTHER INFORMATION:  finger genes"
US-08-731-499-3

 Query Match             34.8%;  Score 1108.6;  DB 8;  Length 1507;
 Best Local Similarity   97.1%;  Pred. No. 0;
 Matches 1156;  Conservative    3;  Mismatches   28;  Indels    3;  Gaps    3;

Qy          1 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGATGGG 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        320 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGAT-GG 378

Qy         61 CCAGAAGTGATTGGCAGCTCTCTTGGCAGTCCGATGGAGATGGAGGATGCCTTGTCAATG 120
              ||| |||||||||||||||||||| |||||||||||||||||| ||||||||||||||||
Db        379 CCAAGAGTGATTGGCAGCTCTCTTGCCAGTCCGATGGAGATGGA-GATGCCTTGTCAATG 437

Qy        121 AAAGGGACCGCTGTTGTTCCATTCCGAGCTACACAAGAAAAAAATGTC-ATCCAAATCGA 179
              |||||| || |||||||    | |           |||||||||||||| |||| ||||||
Db        438 AAAGGGCCCNCTGTTGTCAATTCCGAGCTACACAAAGAAAAAAATGTCAATCCGAATCGA 497

Qy        180 GGGGTATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCT 239
              |||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        498 GGGGAATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCT 557

Qy        240 TAATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGT 299
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        558 TAATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGT 617

Qy        300 TGAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGA 359
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        618 TGAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGA 677

Qy        360 AAAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGC 419
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        678 AAAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGC 737

Qy        420 TTTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACAT 479
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        738 TTTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACAT 797

Qy        480 GTGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGG 539
              ||||||||||||||||||||||||||||||||||||||||||||||:||||||||||||
Db        798 GTGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACRCATAATGG 857

Qy        540 CAAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAA 599
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        858 CAAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAA 917

Qy        600 CGAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGT 659
              |||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db        918 CGAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTGCAAAATCTGCATGGT 977

Qy        660 TTGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAA 719
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        978 TTGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAA 1037

Qy        720 AAAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTC 779
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1038 AAAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTC 1097

Qy        780 CTCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGG 839
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1098 CTCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGG 1157

Qy        840 GAAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCA 899
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1158 GAAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCA 1217

Qy        900 GCTGGCTACCAAAGGAAAAGTTGCCATTTGCCAAGAAGTGAAGGAATCGGGGCAAGAAGG 959
              :|||||||||||||||:|||||||||||||||||||||||||||| ||||||||||||
Db       1218 KCTGGCTACCAAAGGAAWAGTTGCCATTTGCCAAGAAGTGAAGGAATTGGGGCAAGAAGG 1277

Qy        960 GAGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAG 1019
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |
Db       1278 GAGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGAACCA 1337

Qy       1020 TTGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTC 1079
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1338 TTGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTC 1397

Qy       1080 CGTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTG 1139
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1398 CGTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTG 1457

Qy       1140 CGGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCC 1189
              ||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1458 CGGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCC 1507
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RESULT 5
US-10-040-739-520
; Sequence 520, Application US/10040739
; Publication No. US20020173635A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; McCoy, John
; LaVallie, Edward
; Racie, Lisa
; Merberg, David
; Treacy, Maurice
; Spaulding, Vikki
; TITLE OF INVENTION: SECRETED, EXPRESSED SEQUENCE TAGS
; NUMBER OF SEQUENCES: 1519
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: U.S.A
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/040,739
; FILING DATE: 07-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/036,520
; FILING DATE: 03-JUN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 520:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 520:
US-10-040-739-520

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 Query Match             13.9%;  Score 444.4;  DB 13;  Length 469;
 Best Local Similarity   99.8%;  Pred. No. 4.1e-123;
 Matches  445;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1032 CTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCCGTGGACGCGGA 1091
              || |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         19 CTAGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCCGTGGACGCGGA 78
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Qy       1092 TCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGCGGCAAAGCTTT 1151
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         79 TCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGCGGCAAAGCTTT 138

Qy       1152 CAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGACCGGAGGGCCGG 1211
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        139 CAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGACCGGAGGGCCGG 198

Qy       1212 CGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGTTCTCCTGACCT 1271
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        199 CGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGTTCTCCTGACCT 258

Qy       1272 CGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGTTCTGAAGACGG 1331
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        259 CGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGTTCTGAAGACGG 318

Qy       1332 ATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGATAAAAATGATGATGGAGGAAAAAT 1391
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        319 ATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGATAAAAATGATGATGGAGGAAAAAT 378

Qy       1392 AAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTA 1451
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        379 AAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTA 438

Qy       1452 TTACCTCAATATTCATCTCAGAACGC 1477
             |||||||||||||||||||||||||
Db        439 TTACCTCAATATTCATCTCAGAACGC 464
```

RESULT 6
US-10-029-386-9711/c
; Sequence 9711, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9711
; LENGTH: 530
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR20.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.96
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.94
; OTHER INFORMATION: SWISSPROT HIT: O75362, EVALUE 2.00e-67
; OTHER INFORMATION: NT HIT: gi11421959, EVALUE 0.00e+00
; OTHER INFORMATION: EST_HUMAN HIT: BF237807.1, EVALUE 0.00e+00
US-10-029-386-9711

Query Match 12.6%; Score 401.4; DB 14; Length 530;
Best Local Similarity 99.8%; Pred. No. 4.5e-110;
Matches 402; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy        968 ACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAGTTGTGCAG 1027
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        530 ACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAGTTGTGCAG 471

Qy       1028 GCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCCGTGGACG 1087
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        470 GCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCCGTGGACG 411
```

```
Qy       1088 CGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGCGGCAAAG 1147
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        410 CGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGCGGCAAAG 351

Qy       1148 CTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGACCGGAGGG 1207
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        350 CTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGACCGGAGGG 291

Qy       1208 CCGGCGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGTTCTCCTG 1267
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        290 CCGGCGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGTTCTCCTG 231

Qy       1268 ACCTCGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGTTCTGAAG 1327
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        230 ACCTCGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGTTCTGAAG 171

Qy       1328 ACGGATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGATAA 1370
              ||||||||||||||||||||||||||||||||||||| |||
Db        170 ACGGATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGGTAA 128
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RESULT 7
US-10-029-386-23411/c
; Sequence 23411, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23411
; LENGTH: 251
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR20.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.96
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.94
; OTHER INFORMATION: EST_HUMAN HIT: W05407.1, EVALUE 1.00e-117
; OTHER INFORMATION: NT HIT: gi11421959, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: O75362, EVALUE 1.00e-38
US-10-029-386-23411

Query Match 7.9%; Score 251; DB 14; Length 251;
Best Local Similarity 100.0%; Pred. No. 7.8e-65;
Matches 251; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1093 CCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGCGGCAAAGCTTTC 1152
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         251 CCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGCGGCAAAGCTTTC 192

Qy       1153 AGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGACCGGAGGGCCGGC 1212
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         191 AGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGACCGGAGGGCCGGC 132

Qy       1213 GCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGTTCTCCTGACCTC 1272
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         131 GCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGTTCTCCTGACCTC 72

Qy       1273 GCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGTTCTGAAGACGGA 1332
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          71 GCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGTTCTGAAGACGGA 12
```

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Qy       1333 TCTGAGGATGG 1343
              ||||||||||
Db         11 TCTGAGGATGG 1

ESULT 8
S-09-783-590-9057
 Sequence 9057, Application US/09783590
 Patent No. US20020110850A1
 GENERAL INFORMATION:
  APPLICANT: Dillon, Patrick J.
  APPLICANT:  Haseltine, William A.
  APPLICANT:  Li, Haodong
  APPLICANT:  Rosen, Craig A.
  APPLICANT:  Ruben, Steven M.
  TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
  FILE REFERENCE: PO-16.2C1
  CURRENT APPLICATION NUMBER: US/09/783,590
  CURRENT FILING DATE:  2000-02-15
  PRIOR APPLICATION NUMBER: 08/420,856
  PRIOR FILING DATE: 1995-04-12
  PRIOR APPLICATION NUMBER: 08/346,731
  PRIOR FILING DATE: 1994-11-21
  NUMBER OF SEQ ID NOS: 12485
  SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 9057
;  LENGTH: 267
;  TYPE: DNA
;  ORGANISM: Homo sapiens
;  FEATURE:
;  NAME/KEY: misc feature
;  LOCATION: (1)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (12)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (65)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (75)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (103)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (108)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (113)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (193)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (204)
;  OTHER INFORMATION: n equals a,t,g, or c
;  NAME/KEY: misc feature
;  LOCATION: (212)
;  OTHER INFORMATION: n equals a,t,g, or c
US-09-783-590-9057

  Query Match             5.1%;  Score 164;  DB 9;  Length 267;
  Best Local Similarity   90.4%;  Pred. No. 1.7e-38;
  Matches  226;  Conservative    0;  Mismatches   18;  Indels    6;  Gaps    5;

Qy       2315 GTAAACCCAAGCCCAAGTCTGCTTTCCCGGCGCAGTCCAAATCCCTGCCATCTGCGAAGG 2374
              ||||||||||||||||| |||||||||||||| |||||||||||| |||||||||| |
Db         18 GTAAACCCAAGCCCAAGTTTGCTTTCCCGGCGCA-TCCAAATCCCTGCNATCTGCGAANG 76

Qy       2375 GG-AAGCAGAGCCCTCCTGGGCCAGGCAAGGCCCCTCTGA--CTTCAGGGATAGACTCTA 2431
              || |||||||||||||||||||||| |||| |||| |||   |   || ||||||||||

Db         77 GGAAAGCAGAGCCCTCCTGGGCCAGGNAAGGNCCCTNTGAACTTCAGGGAATAGACTCTA 136

Qy       2432 GCACTTTAGCCCCAAGT-AACCTGAAGTCCCACAGACCACAGCAGAATGTGGGGGTCCAA 2490
              |||||||||||||||| |||||||||||||||||||||||||||||||||||||| |||
Db        137 GCACTTTAGCCCCAAGTAAACCTGAAGTCCCACAGACCACAGCAGAATGTGGGGGTNCAA 196

Qy       2491 GGGGCCGCCACCAGGCAACAGCAATCTG-AGATGTTTCCTAAAACCAGTGTTTCCCCTGC 2549
              ||||||| ||||||| ||||||||| || ||||||||||||||||||||||||||||||
Db        197 GGGGCCGNCACCAGGNAACAGCAATTTGAAGATGTTTCCTAAAACCAGTGTTTCCCCTGC 256

Qy       2550 ACCGGATAAG 2559
              | ||| | ||
Db        257 AACGGGTTAG 266


RESULT 9
US-10-342-887-1511
; Sequence 1511, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
;  APPLICANT: Dai, Hongyue
;  APPLICANT:  He, Yudong
;  APPLICANT:  Linsley, Peter S.
;  APPLICANT:  Mao, Mao
;  APPLICANT:  Roberts, Christopher J.
;  APPLICANT:  Van 't Veer, Laura Johanna
;  APPLICANT:  Van de Vijver, Marc J.
;  APPLICANT:  Bernards, Rene
;  TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
;  FILE REFERENCE: 9301-188-999
;  CURRENT APPLICATION NUMBER: US/10/342,887
;  CURRENT FILING DATE:  2003-01-15
;  PRIOR APPLICATION NUMBER: 60/298,918
;  PRIOR FILING DATE: 2001-06-18
;  PRIOR APPLICATION NUMBER: 60/380,710
;  PRIOR FILING DATE: 2002-05-14
;  PRIOR APPLICATION NUMBER: 10/172,118
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1511
;  LENGTH: 6033
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-342-887-1511

  Query Match             3.3%;  Score 104.4;  DB 12;  Length 6033;
  Best Local Similarity   53.3%;  Pred. No. 1.6e-19;
  Matches  294;  Conservative    0;  Mismatches  246;  Indels   12;  Gaps    3;

Qy        379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
              || ||    || ||||| ||||| ||| | || ||    | |     | ||   |||
Db       1057 GAGTTCCCGTGCGAGGTGTGTGGCCAGGCCTTCAGCCAGACCTGGTTCCTGAAGGCGCAC 1116

Qy        439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498
              ||||  | |||   | || |||    |||| ||  |||| ||||  | || |||||||
Db       1117 ATGAAGAAGCACCGGGGCTCCTTCGACCACGGCTGCCACATCTGCGGCCGTAGGTTCAAG 1176

Qy        499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGGGGCCAGAAGC 558
              ||||| ||||| || || || ||||||  | | ||     |||  ||||   ||  | |
Db       1177 GAGCCCTGGTTCCTCAAGAACCACATGAAGGCGCACGGCCCCAAGACGGGCAGCAAGAAC 1236

Qy        559 AAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAACGAGGTCGTCCAGGTGCAC 618
              | |   ||   |  ||||     |    || || |||||| | || ||||||| | |
Db       1237 AGGCCCAAGAGTGAGCTGGACCCCA---TCGCCACCATCAACAACGTGGTCCAGGAGGAG 1293

Qy        619 GCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGTTTGTGGCTTCCTATTTCCA 678
              | | ||    | |       | ||| | |||||      || ||   ||| ||| ||
Db       1294 GTGATCGTCGCCGGCCTGAGCCTCTACGAGGTCTGCGCCAAGTGCGGGAACCTGTTTACA 1353

Qy        679 AATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAAAAAAACTGCTTTCGGTACC 738
              ||   || ||  | | | |||     | |||  || |     ||  | | |
Db       1354 AACCTGGACAGCTTGAACGCCCACAATGCCATCCACCGCAGAGTCGAGGC---CAGCCGC 1410
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Qy        739 AGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTCCTCGAGGGAGGACTTCCTG 798
              |  ||||  | | | ||    |  ||     ||  | | | | ||  ||| ||
Db       1411 ACGCGCGCCCCGGCCGAGGAGGGGGCGGAGGGGCCCTCGGACACCAAGCAGTTCTTTCTC 1470

Qy        799 CAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACG------GGGAAGAAGCCTGTC 852
              ||||   | |||  |||| ||     |   ||  ||       || | | || | |
Db       1471 CAGTGCCTGAACCTGAGGCCGTCGGCGGCCGGCGACTCGTGCCCTGGCACGCAGGCCGGA 1530

Qy        853 AGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCAGCTGGCTACCAAA 912
              |  |   |  || |||| || ||| ||| || || |||||| ||||||||||| ||
Db       1531 CGGCGGGTGGCTGAGCTGGACCCGGTCAACAGCTACCAGGCCTGGCAGCTGGCCACGCGG 1590

Qy        913 GGAAAAGTTGCC 924
              || || || |||
Db       1591 GGTAAGGTGGCC 1602
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RESULT 10
US-10-074-475-93
; Sequence 93, Application US/10074475
; Publication No. US20030092898A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Hu, Ping
; APPLICANT: Recipon, Herve
; APPLICANT: Karra, Kalpana
; APPLICANT: Cafferkey, Robert
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific
; TITLE OF INVENTION: Genes and Proteins
; FILE REFERENCE: DEX-0313
; CURRENT APPLICATION NUMBER: US/10/074,475
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 60/268,292
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 295
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 93
; LENGTH: 8156
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-074-475-93

Query Match 3.3%; Score 104.4; DB 14; Length 8156;
Best Local Similarity 53.3%; Pred. No. 2e-19;
Matches 294; Conservative 0; Mismatches 246; Indels 12; Gaps 3;

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Qy        379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
              || ||    || ||||| ||||| ||| | || ||     | |    | ||   |||
Db       1057 GAGTTCCCGTGCGAGGTGTGTGGCCAGGCCTTCAGCCAGACCTGGTTCCTGAAGGCGCAC 1116

Qy        439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498
              ||||  |  |||   |  || |||    |||| ||  |||| |||||  | ||| ||||||
Db       1117 ATGAAGAAGCACCGGGGCTCCTTCGACCACGGCTGCCACATCTGCGGCCGTAGGTTCAAG 1176

Qy        499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGGGGCCAGAAGC 558
              ||||| ||||| || || || ||||||  | | ||      |||  ||||   ||  | |
Db       1177 GAGCCCTGGTTCCTCAAGAACCACATGAAGGCGCACGGCCCCAAGACGGGCAGCAAGAAC 1236

Qy        559 AAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAACGAGGTCGTCCAGGTGCAC 618
              |  |   ||   |  ||||   |    || || ||||||  | ||  |||||||  | |
Db       1237 AGGCCCAAGAGTGAGCTGGACCCCA---TCGCCACCATCAACAACGTGGTCCAGGAGGAG 1293

Qy        619 GCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGTTTGTGGCTTCCTATTTCCA 678
              | | ||    |  |      | ||| |  |||||      || ||   ||| ||| ||
Db       1294 GTGATCGTCGCCGGCCTGAGCCTCTACGAGGTCTGCGCCAAGTGCGGGAACCTGTTTACA 1353

Qy        679 AATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAAAAAAACTGCTTTCGGTACC 738
              ||    || ||  |  |  |  |||       | |||  || |      ||   | |   |
Db       1354 AACCTGGACAGCTTGAACGCCCACAATGCCATCCACCGCAGAGTCGAGGC---CAGCCGC 1410
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Qy        739 AGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTCCTCGAGGGAGGACTTCCTG 798
              |  ||||  | | | ||    |  ||     ||  | | | | ||  ||| ||
Db       1411 ACGCGCGCCCCGGCCGAGGAGGGGGCGGAGGGGCCCTCGGACACCAAGCAGTTCTTTCTC 1470

Qy        799 CAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACG------GGGAAGAAGCCTGTC 852
              ||||   | |||  |||| ||     |   ||  ||       || | | || | |
Db       1471 CAGTGCCTGAACCTGAGGCCGTCGGCGGCCGGCGACTCGTGCCCTGGCACGCAGGCCGGA 1530

Qy        853 AGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCAGCTGGCTACCAAA 912
              |  |   |  || |||| || ||| ||| || || |||||| ||||||||||| ||
Db       1531 CGGCGGGTGGCTGAGCTGGACCCGGTCAACAGCTACCAGGCCTGGCAGCTGGCCACGCGG 1590

Qy        913 GGAAAAGTTGCC 924
              || || || |||
Db       1591 GGTAAGGTGGCC 1602
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RESULT 11
US-10-029-386-20910/c
; Sequence 20910, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 20910
; LENGTH: 1014
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL157687.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: NT HIT: gi14751677, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: Q9P2Y4, EVALUE 1.00e-93
; OTHER INFORMATION: EST_HUMAN HIT: AW024296.1, EVALUE 0.00e+00
US-10-029-386-20910

Query Match 2.1%; Score 67.6; DB 14; Length 1014;
Best Local Similarity 62.4%; Pred. No. 6e-09;
Matches 106; Conservative 0; Mismatches 64; Indels 0; Gaps 0;

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Qy        379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
              || ||  ||||  | || || || ||||  |||| |    |||    | |  ||  ||||
Db        624 GAGTTCCGCTGCCAAGTGTGCGGCCAGAGCTTTACACAGTCTTGGTTTCTCAAGGGCCAC 565

Qy        439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498
              |||  | |  |||||  |  || |||  | | | ||||     |||||||  |  | ||||||
Db        564 ATGCGTAAGCACAAGGCCTCCTTCGATCATGCGTGTCCGGTGTGCGGCCGCTGCTTCAAG 505

Qy        499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGG 548
              |||||  |||||  |||||  || ||||||  |    ||      ||||   |||
Db        504 GAGCCCTGGTTCCTTAAGAACCACATGAAGGTGCACGCCAGCAAGCTGGG 455
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RESULT 12
US-10-029-386-20193/c
; Sequence 20193, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.

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  APPLICANT:  Rank, David R.
  APPLICANT:  Hanzel, David K.
  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
  TITLE OF INVENTION:  EXPRESSION ANALYSIS TWO
  FILE REFERENCE: AEOMICA-X-2
  CURRENT APPLICATION NUMBER: US/10/029,386
  CURRENT FILING DATE:  2001-12-20
  NUMBER OF SEQ ID NOS: 34288
  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
 SEQ ID NO 20193
    LENGTH: 1229
    TYPE: DNA
    ORGANISM: Homo sapiens
    FEATURE:
    OTHER INFORMATION: MAP TO AL161668.1
    OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.5
    OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL =   5
    OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.7
    OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.8
    OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.7
    OTHER INFORMATION: EST_HUMAN HIT: AW024296.1, EVALUE 0.00e+00
    OTHER INFORMATION: SWISSPROT HIT: Q9P2Y4, EVALUE 1.00e-114
    OTHER INFORMATION: NT HIT: gi14751677, EVALUE 0.00e+00
S-10-029-386-20193

  Query Match             2.1%;  Score 67.6;  DB 14;  Length 1229;
  Best Local Similarity   62.4%;  Pred. No. 6.9e-09;
  Matches  106;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

y         379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
              || ||  ||||  | || || ||  |||| |||| |    |||     | |  ||  ||||
b         624 GAGTTCCGCTGCCAAGTGTGCGGCCAGAGCTTTACACAGTCTTGGTTTCTCAAGGGCCAC 565

y         439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498
              |||  |  |||||  |  || |||  | | | ||||     |||||||  |  | ||||||
b         564 ATGCGTAAGCACAAGGCCTCCTTCGATCATGCGTGTCCGGTGTGCGGCCGCTGCTTCAAG 505

y         499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGG 548
              |||||  |||||  |||||  || ||||||  |    ||      ||||   |||
b         504 GAGCCCTGGTTCCTTAAGAACCACATGAAGGTGCACGCCAGCAAGCTGGG 455


ESULT 13
S-10-037-270-61
 Sequence 61, Application US/10037270
 Publication No. US20030104529A1
 GENERAL INFORMATION:
  APPLICANT: Tang, Y. Tom
  APPLICANT:  Liu, Chenghua
  APPLICANT:  Asundi, Vinod
  APPLICANT:  Zhang, Jie
  APPLICANT:  Ren, Feiyan
  APPLICANT:  Chen, Rui-hong
  APPLICANT:  Zhao, Qing A.
  APPLICANT:  Wehrman, Tom
  APPLICANT:  Xue, Aidong J.
  APPLICANT:  Yang, Yonghong
  APPLICANT:  Wang, Jian-Rui
  APPLICANT:  Zhou, Ping
  APPLICANT:  Ma, Yunqing
  APPLICANT:  Wang, Dunrui
  APPLICANT:  Wang, Zhiwei
  APPLICANT:  Tillinghast, John
  APPLICANT:  Drmanac, Radoje T.
  TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and
  TITLE OF INVENTION:  Polypeptides
  FILE REFERENCE: 784CIP2B
  CURRENT APPLICATION NUMBER: US/10/037,270
  CURRENT FILING DATE:  2002-01-04
  PRIOR APPLICATION NUMBER: 09/552,317
  PRIOR FILING DATE: 2000-04-25
  PRIOR APPLICATION NUMBER: 09/488,725
  PRIOR FILING DATE: 2000-01-21
;  NUMBER OF SEQ ID NOS: 1104
;  SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 61
;   LENGTH: 2765
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (123)..(2291)
US-10-037-270-61

  Query Match             2.1%;  Score 67.6;  DB 14;  Length 2765;
  Best Local Similarity   62.4%;  Pred. No. 1.2e-08;
  Matches  106;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy        379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
              || ||  ||||  | || || ||  |||| |||| |    |||     | |  ||  ||||
Db        939 GAGTTCCGCTGCCAAGTGTGCGGCCAGAGCTTTACACAGTCTTGGTTTCTCAAGGGCCAC 998

Qy        439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498
              |||  |  |||||  |  || |||  | | | ||||     |||||||  |  | ||||||
Db        999 ATGCGTAAGCACAAGGCCTCCTTCGATCATGCGTGTCCGGTGTGCGGCCGCTGCTTCAAG 1058

Qy        499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGG 548
              |||||  |||||  |||||  || ||||||  |    ||      ||||   |||
Db       1059 GAGCCCTGGTTCCTTAAGAACCACATGAAGGTGCACGCCAGCAAGCTGGG 1108


RESULT 14
US-10-117-722-61
; Sequence 61, Application US/10117722
; Publication No. US20030219744A1
; GENERAL INFORMATION:
;  APPLICANT: Tang, Y. Tom
;  APPLICANT:  Liu, Chenghua
;  APPLICANT:  Asundi, Vinod
;  APPLICANT:  Zhang, Jie
;  APPLICANT:  Drmanac, Radoje T.
;  TITLE OF INVENTION: No. US20030219744A1el Nucleic Acids and
;  TITLE OF INVENTION:  Polypeptides
;  FILE REFERENCE: 784CIP2BCIP
;  CURRENT APPLICATION NUMBER: US/10/117,722
;  CURRENT FILING DATE:  2002-04-04
;  PRIOR APPLICATION NUMBER: 09/620,312
;  PRIOR FILING DATE: 2000-07-19
;  PRIOR APPLICATION NUMBER: 09/552,317
;  PRIOR FILING DATE: 2000-04-25
;  PRIOR APPLICATION NUMBER: 09/488,725
;  PRIOR FILING DATE: 2000-01-21
;  NUMBER OF SEQ ID NOS: 1104
;  SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 61
;   LENGTH: 2765
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (123)..(2291)
US-10-117-722-61

  Query Match             2.1%;  Score 67.6;  DB 15;  Length 2765;
  Best Local Similarity   62.4%;  Pred. No. 1.2e-08;
  Matches  106;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy        379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
              || ||  ||||  | || || ||  |||| |||| |    |||     | |  ||  ||||
Db        939 GAGTTCCGCTGCCAAGTGTGCGGCCAGAGCTTTACACAGTCTTGGTTTCTCAAGGGCCAC 998

Qy        439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498
              |||  |  |||||  |  || |||  | | | ||||     |||||||  |  | ||||||
Db        999 ATGCGTAAGCACAAGGCCTCCTTCGATCATGCGTGTCCGGTGTGCGGCCGCTGCTTCAAG 1058

Qy        499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGG 548
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                |||||  |||||  |||||  ||  ||||||  |    ||      ||||    |||
Db       1059 GAGCCCTGGTTCCTTAAGAACCACATGAAGGTGCACGCCAGCAAGCTGGG 1108


RESULT 15
US-10-342-887-1644
; Sequence 1644, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
;  APPLICANT: Dai, Hongyue
;  APPLICANT:  He, Yudong
;  APPLICANT:  Linsley, Peter S.
;  APPLICANT:  Mao, Mao
;  APPLICANT:  Roberts, Christopher J.
;  APPLICANT:  Van 't Veer, Laura Johanna
;  APPLICANT:  Van de Vijver, Marc J.
;  APPLICANT:  Bernards, Rene
;  TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
;  FILE REFERENCE: 9301-188-999
;  CURRENT APPLICATION NUMBER: US/10/342,887
;  CURRENT FILING DATE:  2003-01-15
;  PRIOR APPLICATION NUMBER: 60/298,918
;  PRIOR FILING DATE: 2001-06-18
;  PRIOR APPLICATION NUMBER: 60/380,710
;  PRIOR FILING DATE: 2002-05-14
;  PRIOR APPLICATION NUMBER: 10/172,118
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1644
;   LENGTH: 3039
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-342-887-1644

  Query Match             2.1%;  Score 67.6;  DB 12;  Length 3039;
  Best Local Similarity   62.4%;  Pred. No. 1.3e-08;
  Matches  106;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy         379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
               ||  ||  ||||  | ||  ||  ||  ||||  ||||  |    |||    |  |  ||  ||||
Db        1228 GAGTTCCGCTGCCAAGTGTGCGGCCAGAGCTTTACACAGTCTTGGTTTCTCAAGGGCCAC 1287

Qy         439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498
               |||  |  |  |||||  |  ||  |||  |  |  |  ||||    |||||||  |  |  ||||||
Db        1288 ATGCGTAAGCACAAGGCCTCCTTCGATCATGCGTGTCCGGTGTGCGGCCGCTGCTTCAAG 1347

Qy         499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGG 548
               |||||  |||||  |||||  ||  ||||||  |    ||      ||||    |||
Db        1348 GAGCCCTGGTTCCTTAAGAACCACATGAAGGTGCACGCCAGCAAGCTGGG 1397


Search completed: April 11, 2004, 00:42:40
Job time : 1092 secs
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Qy       1535 CATCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAAC 1576
              ||  |||      | ||   |  ||  |||       |||||||
Db        137 CAAATCTTGTTCAACATCAGAGGATTCATACTGGAGAAAAAC 178


ESULT 10
S-09-620-312D-1023
 Sequence 1023, Application US/09620312D
 Patent No. 6569662
 GENERAL INFORMATION:
  APPLICANT: Tang, Y. Tom
  APPLICANT:  Liu, Chenghua
  APPLICANT:  Asundi, Vinod
  APPLICANT:  Zhang, Jie
  APPLICANT:  Ren, Feiyan
  APPLICANT:  Chen, Rui-hong
  APPLICANT:  Zhao, Qing A.
  APPLICANT:  Wehrman, Tom
  APPLICANT:  Xue, Aidong J.
  APPLICANT:  Yang, Yonghong
  APPLICANT:  Wang, Jian-Rui
  APPLICANT:  Zhou, Ping
  APPLICANT:  Ma, Yunqing
  APPLICANT:  Wang, Dunrui
  APPLICANT:  Wang, Zhiwei
  APPLICANT:  John Tillinghast
  APPLICANT:  Drmanac, Radoje T.
  TITLE OF INVENTION: No. 6569662el Nucleic Acids and
  TITLE OF INVENTION:  Polypeptides
  FILE REFERENCE: 784CIP2B
  CURRENT APPLICATION NUMBER: US/09/620,312D
  CURRENT FILING DATE:  2000-07-19
  PRIOR APPLICATION NUMBER: 09/552,317
  PRIOR FILING DATE: 2000-04-25
  PRIOR APPLICATION NUMBER: 09/488,725
  PRIOR FILING DATE: 2000-01-21
  NUMBER OF SEQ ID NOS: 1105
  SOFTWARE: pt_FL_genes Version 1.0
 SEQ ID NO 1023
   LENGTH: 2412
   TYPE: DNA
   ORGANISM: Homo sapiens
   FEATURE:
   NAME/KEY: CDS
   LOCATION: (158)..(544)
S-09-620-312D-1023

 Query Match             1.7%;  Score 53;  DB 4;  Length 2412;
 Best Local Similarity   57.6%;  Pred. No. 3.4e-05;
 Matches   95;  Conservative    0;  Mismatches   70;  Indels    0;  Gaps    0;

Qy       1414 GAGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGA 1473
              || |||||| | ||||| ||    ||  |  |||| |  | |||| | | ||||  ||
Db       1413 GAATGTAGTGAATGTGGGAAAGCCTTTAGCACAAAGCAAAAGCTCATTGTCCATCAAAGG 1472

Qy       1474 ACGCATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAG 1533
              || |||||||| || | ||| ||    |||  |    ||||   | ||    ||  | | |
Db       1473 ACTCATACAGGAGAGAGACCCTATGGCTGTAACGAGTGTGGGAAAGCGTTTGCGTATATG 1532

Qy       1534 ACATCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAAACAA 1578
              | | ||||    | ||   |  | |||    | ||| ||||||
Db       1533 TCGTGTCTGGTTAAGCATAAGAGAATACACACAAGGGAGAAACAA 1577


ESULT 11
S-09-620-312D-13
 Sequence 13, Application US/09620312D
 Patent No. 6569662
 GENERAL INFORMATION:
  APPLICANT: Tang, Y. Tom
  APPLICANT:  Liu, Chenghua
  APPLICANT:  Asundi, Vinod
; APPLICANT:  Zhang, Jie
; APPLICANT:  Ren, Feiyan
; APPLICANT:  Chen, Rui-hong
; APPLICANT:  Zhao, Qing A.
; APPLICANT:  Wehrman, Tom
; APPLICANT:  Xue, Aidong J.
; APPLICANT:  Yang, Yonghong
; APPLICANT:  Wang, Jian-Rui
; APPLICANT:  Zhou, Ping
; APPLICANT:  Ma, Yunqing
; APPLICANT:  Wang, Dunrui
; APPLICANT:  Wang, Zhiwei
; APPLICANT:  John Tillinghast
; APPLICANT:  Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION:  Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE:  2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 13
;   LENGTH: 2042
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (141)..(1646)
US-09-620-312D-13

  Query Match             1.7%;  Score 52.8;  DB 4;  Length 2042;
  Best Local Similarity   54.7%;  Pred. No. 3.5e-05;
  Matches  105;  Conservative    0;  Mismatches   87;  Indels    0;  Gaps    0;

Qy       1414 GAGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGA 1473
              || || ||| | ||||| || |  ||| ||  |||  |   | | | |||| ||||  ||
Db        948 GAATGCAGTGAATGTGGGAAATCCTTCTGTAAAAAGTCAAAATTTATTATACATCAGAGG 1007

Qy       1474 ACGCATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAG 1533
              || || ||||| || ||||| ||| |||||  |    ||||   | |       |||||||
Db       1008 ACTCACACAGGAGAGAAACCTTACGAATGTAATCAGTGTGGGAAATCCTTCTGCCAGAAG 1067

Qy       1534 ACATCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCT 1593
              | | ||  |    ||  |  | |||     ||| ||  |     ||  |  ||
Db       1068 GGAACCCTTACTGTGCATCAGAGAACACACACAGGGGAGAAGCCCTATGAATGTAATGAA 1127

Qy       1594 GAAGTCAAGAAC 1605
                |  ||||||
Db       1128 TGTGGGAAGAAC 1139


RESULT 12
US-09-976-594-898
; Sequence 898, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
;  APPLICANT: Furness, Michael
;  APPLICANT:  Buchbinder, Jenny
;  TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
;  FILE REFERENCE: PA-0041 US
;  CURRENT APPLICATION NUMBER: US/09/976,594
;  CURRENT FILING DATE:  2001-10-12
;  PRIOR APPLICATION NUMBER: 60/240,409
;  PRIOR FILING DATE: 2000-10-12
;  NUMBER OF SEQ ID NOS: 1143
;  SOFTWARE: PERL Program
; SEQ ID NO 898
;   LENGTH: 1658
;   TYPE: DNA
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;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. 6673549 1082203.1
US-09-976-594-898

  Query Match             1.7%;  Score 52.6;  DB 4;  Length 1658;
  Best Local Similarity   57.7%;  Pred. No. 3.5e-05;
  Matches   94;  Conservative    0;  Mismatches   69;  Indels    0;  Gaps    0;

Qy       1414 GAGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGA 1473
              || |||  | | ||||||||     ||   |  || |  | ||||| ||| ||||  |||
Db        568 GATTGTTCTGAATGTGGAAAAGGCTTTTCTCAGAAATCATCCCTCATTATACATCAGAGA 627

Qy       1474 ACGCATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAG 1533
              ||  | || ||||||||||||  |||||      |||||  | ||     |||||||
Db        628 GTTCACTCTGGGGAAAAACCATATGAATGTAGTGAATGTGAGAAAGCCTTCTCCCAGAAA 687

Qy       1534 ACATCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAAC 1576
              || | || |     ||   |  | ||||     |||||| |
Db        688 TCACCCCTCATTATACATCAGAGAATACATACTGGGGAAAAGC 730


RESULT 13
US-09-016-434-1399
; Sequence 1399, Application US/09016434
; Patent No. 6500938
;  GENERAL INFORMATION:
;    APPLICANT:  Janice Au-Young
;    APPLICANT:  Jeffrey J. Seilhamer
;    TITLE OF INVENTION:  COMPOSITION FOR THE DETECTION OF SIGNALING
;    TITLE OF INVENTION:  PATHWAY GENE EXPRESSION
;    NUMBER OF SEQUENCES:  1490
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
;      STREET:  3174 PORTER DRIVE
;      CITY:  PALO ALTO
;      STATE:  CALIFORNIA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/016,434
;      FILING DATE:  HEREWITH
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Zeller, Karen J.
;      REGISTRATION NUMBER:  37,071
;      REFERENCE/DOCKET NUMBER:  PA-0002 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 855-0555
;      TELEFAX:  (650) 845-4166
;  INFORMATION FOR SEQ ID NO:  1399:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2582 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      LIBRARY:  GENBANK
;      CLONE:  g487837
US-09-016-434-1399

  Query Match             1.6%;  Score 52.2;  DB 4;  Length 2582;
  Best Local Similarity   53.7%;  Pred. No. 6.2e-05;

  Matches  108;  Conservative    0;  Mismatches   93;  Indels    0;  Gaps    0;

Qy       1415 AGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAA 1474
              |||||| | | ||||| ||  | |||  |   |||  |||||||| |   ||||  ||
Db        263 AGTGTAATGAATGTGGGAAAGTCTTCTCTCAGAATGCTTACCTCATTGACCATCAGAGGC 322

Qy       1475 CGCATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGA 1534
              || | ||| ||| |||| || ||||||  |     ||| |  | |||       | |||||
Db        323 TCCACAAAGGGGAAGAACCTTATAAATGTAATAAGTGTCAGAAAGCTTTCATTCTGAAGA 382

Qy       1535 CATCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCTG 1594
                 ||  |     |||  |   |  ||       ||||||||       |  || ||
Db        383 AGAGCCTCATTCTGCACCAGAGAATCCACTCTGGGGAAAAACCCTATAAATGTGATGAAT 442

Qy       1595 AAGTCAAGAACGATGGTAAAA 1615
                 |  |||| |  || | | |
Db        443 GTGGAAAGACCTTTGCTCAGA 463


RESULT 14
US-09-800-729-33
; Sequence 33, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
;  APPLICANT:  Ni et al.
;  TITLE OF INVENTION:  32 Human secreted proteins
;  FILE REFERENCE:  PZ044P1
;  CURRENT APPLICATION NUMBER: US/09/800,729
;  CURRENT FILING DATE:  2001-03-08
;  PRIOR APPLICATION NUMBER:  PCT/US00/26013
;  PRIOR FILING DATE:  2000-09-22
;  PRIOR APPLICATION NUMBER:  60/155,709
;  PRIOR FILING DATE:  1999-09-24
;  NUMBER OF SEQ ID NOS:  217
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 33
;   LENGTH: 2394
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-800-729-33

  Query Match             1.6%;  Score 51.4;  DB 4;  Length 2394;
  Best Local Similarity   58.0%;  Pred. No. 0.0001;
  Matches   91;  Conservative    0;  Mismatches   66;  Indels    0;  Gaps    0;

Qy       1417 TGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAACG 1476
              |||||| | ||||  || |  ||| ||  || |    ||||||  |  ||||  |||||
Db        415 TGTAGTGAGTGTGACAAATGCTTCAGTAGAAGTACAAACCTCATAAGGCATCGAAGAACT 474

Qy       1477 CATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACA 1536
              || |||||||| |||||||  || |||       ||||||  | |||       |||  ||
Db        475 CACACAGGTGAGAAACCATTTAAGTGTCTCGAGTGTGAAAAAGCTTTTAGTGGGAAATCA 534

Qy       1537 TCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAA 1573
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RESULT 15
US-09-016-434-1336
; Sequence 1336, Application US/09016434
; Patent No. 6500938
;  GENERAL INFORMATION:
;    APPLICANT:  Janice Au-Young
;    APPLICANT:  Jeffrey J. Seilhamer
;    TITLE OF INVENTION:  COMPOSITION FOR THE DETECTION OF SIGNALING
;    TITLE OF INVENTION:  PATHWAY GENE EXPRESSION
;    NUMBER OF SEQUENCES:  1490
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
;      STREET:  3174 PORTER DRIVE
;      CITY:  PALO ALTO
;      STATE:  CALIFORNIA
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COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1336:
SEQUENCE CHARACTERISTICS:
LENGTH: 1629 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g340443
S-09-016-434-1336

Query Match 1.6%; Score 51; DB 4; Length 1629;
Best Local Similarity 57.1%; Pred. No. 0.00011;
Matches 93; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

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Y       1414 GAGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGA 1473
             || || ||| | ||||| || |  |||  |   || |   | ||| || | ||||  |||
b        691 GAATGCAGTGACTGTGGGAAATCCTTCACTAAGAAGTCACAACTCCATGTGCATCAAAGA 750

Y       1474 ACGCATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAG 1533
             |  || || || || ||||| || | ||||  |   |||| | | |       | || | |
b        751 ATTCACACCGGAGAGAAACCCTATATATGTACAGAATGTGGAAAGGTCTTCACTCACAGG 810

Y       1534 ACATCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAAC 1576
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b        811 ACAAACCTCACCACACATCAGAAAACTCATACTGGGGAAAAAC 853
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Job time : 240 secs

GenCore version 5.1.6

M nucleic - nucleic search, using sw model

un on: April 10, 2004, 19:30:54 ; Search time 235 Seconds
(without alignments)
7523.717 Million cell updates/sec

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aximum DB seq length: 2000000000

ost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	3043	95.5	5632	3	US-09-560-594-3	Sequence 3, Appli
	2	1108.6	34.8	1507	2	US-08-680-395-3	Sequence 3, Appli
	3	67.6	2.1	2765	4	US-09-620-312D-61	Sequence 61, Appl
	4	59.2	1.9	696	4	US-09-451-651-4	Sequence 4, Appli
	5	59.2	1.9	2920	4	US-09-620-312D-1084	Sequence 1084, Ap
	6	56.8	1.8	936	4	US-09-016-434-312	Sequence 312, App
	7	55.2	1.7	2771	4	US-09-976-594-691	Sequence 691, App
	8	55	1.7	4272	4	US-09-620-312D-586	Sequence 586, App
	9	54.8	1.7	265	4	US-09-016-434-836	Sequence 836, App
	10	53	1.7	2412	4	US-09-620-312D-1023	Sequence 1023, Ap
	11	52.8	1.7	2042	4	US-09-620-312D-13	Sequence 13, Appl
	12	52.6	1.7	1658	4	US-09-976-594-898	Sequence 898, App
	13	52.2	1.6	2582	4	US-09-016-434-1399	Sequence 1399, Ap
	14	51.4	1.6	2394	4	US-09-800-729-33	Sequence 33, Appl
	15	51	1.6	1629	4	US-09-016-434-1336	Sequence 1336, Ap
	16	51	1.6	2133	2	US-08-820-170A-11	Sequence 11, Appl
	17	51	1.6	2133	3	US-09-055-699-11	Sequence 11, Appl
	18	51	1.6	2133	3	US-09-273-565-11	Sequence 11, Appl
	19	51	1.6	2133	4	US-09-565-538-11	Sequence 11, Appl
	20	51	1.6	2133	4	US-09-661-468-11	Sequence 11, Appl
	21	51	1.6	2133	4	US-09-976-165-11	Sequence 11, Appl
	22	51	1.6	3186	4	US-09-016-434-1390	Sequence 1390, Ap
	23	51	1.6	3754	2	US-08-820-170A-12	Sequence 12, Appl
	24	51	1.6	3754	3	US-09-055-699-12	Sequence 12, Appl
	25	51	1.6	3754	3	US-09-273-565-12	Sequence 12, Appl
	26	51	1.6	3754	4	US-09-565-538-12	Sequence 12, Appl
	27	51	1.6	3754	4	US-09-661-468-12	Sequence 12, Appl
	28	51	1.6	3754	4	US-09-976-165-12	Sequence 12, Appl
	29	50.4	1.6	2555	4	US-09-620-312D-1050	Sequence 1050, Ap
c	30	50.2	1.6	7218	1	US-08-232-463-14	Sequence 14, Appl
	31	50	1.6	247	4	US-09-016-434-200	Sequence 200, App
	32	49.6	1.6	945	1	US-08-253-155A-10	Sequence 10, Appl
	33	49.4	1.6	524	4	US-09-833-381-1166	Sequence 1166, Ap
	34	49.4	1.6	1812	4	US-09-016-434-1407	Sequence 1407, Ap
	35	49.2	1.5	1189	4	US-09-016-434-1400	Sequence 1400, Ap
	36	49	1.5	2925	4	US-09-620-312D-163	Sequence 163, App
c	37	49	1.5	128779	4	US-09-497-855A-38	Sequence 38, Appl
	38	48.8	1.5	636	4	US-09-833-381-811	Sequence 811, App
	39	48.4	1.5	2311	4	US-09-800-729-66	Sequence 66, Appl
	40	48.2	1.5	341	4	US-09-833-381-1195	Sequence 1195, Ap
	41	48	1.5	246	4	US-09-016-434-798	Sequence 798, App
	42	48	1.5	366	4	US-09-016-434-671	Sequence 671, App
	43	47.8	1.5	471	4	US-09-833-381-1164	Sequence 1164, Ap
	44	47.8	1.5	2666	4	US-09-881-578A-1	Sequence 1, Appli
	45	47.8	1.5	2779	4	US-09-976-594-175	Sequence 175, App

ALIGNMENTS

RESULT 1
US-09-560-594-3
; Sequence 3, Application US/09560594
; Patent No. 6242590
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF ZINC FINGER PROTEIN-217 EXPRESSION
; FILE REFERENCE: RTS-0144
; CURRENT APPLICATION NUMBER: US/09/560,594
; CURRENT FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 5632
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (272)...(3418)
US-09-560-594-3

Query Match 95.5%; Score 3043; DB 3; Length 5632;
Best Local Similarity 96.0%; Pred. No. 0;
Matches 3186; Conservative 0; Mismatches 0; Indels 133; Gaps 1;

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Qy          1 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGATGGG 60
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Db        272 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGATGGG 331

Qy         61 CCAGAAGTGATTGGCAGCTCTCTTGGCAGTCCGATGGAGATGGAGGATGCCTTGTCAATG 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        332 CCAGAAGTGATTGGCAGCTCTCTTGGCAGTCCGATGGAGATGGAGGATGCCTTGTCAATG 391

Qy        121 AAAGGGACCGCTGTTGTTCCATTCCGAGCTACACAAGAAAAAAATGTCATCCAAATCGAG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        392 AAAGGGACCGCTGTTGTTCCATTCCGAGCTACACAAGAAAAAAATGTCATCCAAATCGAG 451

Qy        181 GGGTATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCTT 240
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Db        452 GGGTATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCTT 511

Qy        241 AATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGTT 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        512 AATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGTT 571

Qy        301 GAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGAA 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        572 GAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGAA 631

Qy        361 AAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCT 420
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Db        632 AAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCT 691
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Db        692 TTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATG 751
Qy        481 TGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGC 540
Db        752 TGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGC 811
Qy        541 AAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAAC 600
Db        812 AAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAAC 871
Qy        601 GAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGTT 660
Db        872 GAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGTT 931
Qy        661 TGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAAA 720
Db        932 TGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAAA 991
Qy        721 AAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTCC 780
Db        992 AAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTCC 1051
Qy        781 TCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGGG 840
Db       1052 TCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGGG 1111
Qy        841 AAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCAG 900
Db       1112 AAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCAG 1171
Qy        901 CTGGCTACCAAAGGAAAAGTTGCCATTTGCCAAGAAGTGAAGGAATCGGGGCAAGAAGGG 960
Db       1172 CTGGCTACCAAAGGAAAAGTTGCCATTTGCCAAGAAGTGAAGGAATCGGGGCAAGAAGGG 1231
Qy        961 AGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAGT 1020
Db       1232 AGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAGT 1291
Qy       1021 TGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCC 1080
Db       1292 TGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTCC 1351
Qy       1081 GTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGC 1140
Db       1352 GTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGC 1411
Qy       1141 GGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGAC 1200
Db       1412 GGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCCACAAGAAGGAC 1471
Qy       1201 CGGAGGGCCGGCGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGT 1260
Db       1472 CGGAGGGCCGGCGCGGAGTCGCCCACCATGTCTGTGGACGGGAGGCAGCCGGGGACGTGT 1531
Qy       1261 TCTCCTGACCTCGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGT 1320
Db       1532 TCTCCTGACCTCGCCGCCCCCTCTGGATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGT 1591
Qy       1321 TCTGAAGACGGATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGATAAAAATGATGAT 1380
Db       1592 TCTGAAGACGGATCTGAGGATGGGCTTCCCGAAGGAATCCATCTGGATAAAAATGATGAT 1651
Qy       1381 GGAGGAAAAATAAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTTC 1440
Db       1652 GGAGGAAAAATAAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTTC 1711
Qy       1441 CGTTCAAATTATTACCTCAATATTCATCTCAGAACGCATACAGGTGAAAAACCATACAAA 1500
Db       1712 CGTTCAAATTATTACCTCAATATTCATCTCAGAACGCATACAGGTGAAAAACCATACAAA 1771
```

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Qy       1501 TGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCTGAGGTATCACTTGGAGAGA 1560
Db       1772 TGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCTGAGGTATCACTTGGAGAGA 1831
Qy       1561 CATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAAGAACGATGGTAAAAATCAG 1620
Db       1832 CATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAAGAACGATGGTAAAAATCAG 1891
Qy       1621 GACACTGAAGATGCACTATTAACCGCTGACAGTGCGCAAACCAAAAATTTGAAAAGATTT 1680
Db       1892 GACACTGAAGATGCACTATTAACCGCTGACAGTGCGCAAACCAAAAATTTGAAAAGATTT 1951
Qy       1681 TTTGATGGTGCCAAAGATGTTACAGGCAGTCCACCTGCAAAGCAGCTTAAGGAGATGCCT 1740
Db       1952 TTTGATGGTGCCAAAGATGTTACAGGCAGTCCACCTGCAAAGCAGCTTAAGGAGATGCCT 2011
Qy       1741 TCTGTTTTTCAGAATGTTCTGGGCAGCGCTGTCCTCTCACCAGCACACAAAGATACTCAG 1800
Db       2012 TCTGTTTTTCAGAATGTTCTGGGCAGCGCTGTCCTCTCACCAGCACACAAAGATACTCAG 2071
Qy       1801 GATTTCCATAAAAATGCAGCTGATGACAGTGCTGATAAAGTGAATAAAAACCCTACCCCT 1860
Db       2072 GATTTCCATAAAAATGCAGCTGATGACAGTGCTGATAAAGTGAATAAAAACCCTACCCCT 2131
Qy       1861 GCTTACCTGGACCTGTTAAAAAAGAGATCAGCAGTTGAAACTCAGGCAAATAACCTCATC 1920
Db       2132 GCTTACCTGGACCTGTTAAAAAAGAGATCAGCAGTTGAAACTCAGGCAAATAACCTCATC 2191
Qy       1921 TGTAGAACCAAGGCGGATGTTACTCCTCCTCCGGATGGCAGTACCACCCATAACCTTGAA 1980
Db       2192 TGTAGAACCAAGGCGGATGTTACTCCTCCTCCGGATGGCAGTACCACCCATAACCTTGAA 2251
Qy       1981 GTTAGCCCCAAAGAGAAGCAAACGGAGACCGCAGCTGACTGCAGATACAGGCCAAGTGTG 2040
Db       2252 GTTAGCCCCAAAGAGAAGCAAACGGAGACCGCAGCTGACTGCAGATACAGGCCAAGTGTG 2311
Qy       2041 GATTGTCACGAAAAACCTTTAAATTTATCCGTGGGGGCTCTTCACAATTGCCCGGCAATT 2100
Db       2312 GATTGTCACGAAAAACCTTTAAATTTATCCGTGGGGGCTCTTCACAATTGCCCGGCAATT 2371
Qy       2101 TCTTTGAGTAAAAGTTTGATTCCAAGTATCACCTGTCCATTTTGTACCTTCAAGACATTT 2160
Db       2372 TCTTTGAGTAAAAGTTTGATTCCAAGTATCACCTGTCCATTTTGTACCTTCAAGACATTT 2431
Qy       2161 TATCCAGAAGTTTTAATGATGCACCAGAGACTGGAGCATAAATACAATCCTGACGTTCAT 2220
Db       2432 TATCCAGAAGTTTTAATGATGCACCAGAGACTGGAGCATAAATACAATCCTGACGTTCAT 2491
Qy       2221 AAAAACTGTCGAAACAAGTCCTTGCTTAGAAGTCGACGTACCGGATGCCCGCCAGCGTTG 2280
Db       2492 AAAAACTGTCGAAACAAGTCCTTGCTTAGAAGTCGACGTACCGGATGCCCGCCAGCGTTG 2551
Qy       2281 CTGGGAAAAGATGTGCCTCCCCTCTCTAGTTTCTGTAAACCCAAGCCCAAGTCTGCTTTC 2340
Db       2552 CTGGGAAAAGATGTGCCTCCCCTCTCTAGTTTCTGTAAACCCAAGCCCAAGTCTGCTTTC 2611
Qy       2341 CCGGCGCAGTCCAAATCCCTGCCATCTGCGAAGGGGAAGCAGAGCCCTCCTGGGCCAGGC 2400
Db       2612 CCGGCGCAGTCCAAATCCCTGCCATCTGCGAAGGGGAAGCAGAGCCCTCCTGGGCCAGGC 2671
Qy       2401 AAGGCCCCTCTGACTTCAGGGATAGACTCTAGCACTTTAGCCCCAAGTAACCTGAAGTCC 2460
Db       2672 AAGGCCCCTCTGACTTCAGGGATAGACTCTAGCACTTTAGCCCCAAGTAACCTGAAGTCC 2731
Qy       2461 CACAGACCACAGCAGAATGTGGGGGTCCAAGGGGCCGCCACCAGGCAACAGCAATCTGAG 2520
Db       2732 CACAGACCACAGCAGAATGTGGGGGTCCAAGGGGCCGCCACCAGGCAACAGCAATCTGAG 2791
Qy       2521 ATGTTTCCTAAAACCAGTGTTTCCCCTGCACCGGATAAGACAAAAAGACCCGAGACAAAA 2580
Db       2792 ATGTTTCCTAAAACCAGTGTTTCCCCTGCACCGGATAAGACAAAAAGACCCGAGACAAAA 2851
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Y       2581 TTGAAACCTCTTCCAGTAGCTCCTTCTCAGCCCACCCTCGGCAGCAGTAACATCAATGGT 2640
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       2852 TTGAAACCTCTTCCAGTAGCTCCTTCTCAGCCCACCCTCGGCAGCAGTAACATCAATGGT 2911

Y       2641 TCCATCGACTACCCCGCCAAGAACGACAGCCCGTGGGCACCTCCGGGAAGAGACTATTTC 2700
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       2912 TCCATCGACTACCCCGCCAAGAACGACAGCCCGTGGGCACCTCCGGGAAGAGACTATTTC 2971

Y       2701 TGTAATCGGAGTGCCAGCAATACTGCAGCAGAATTTGGTGAGCCCCTTCCAAAAAGACTG 2760
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       2972 TGTAATCGGAGTGCCAGCAATACTGCAGCAGAATTTGGTGAGCCCCTTCCAAAAAGACTG 3031

Y       2761 AAGTCCAGCGTGGTTGCCCTTGACGTTGACCAGCCCGGGGCCAATTACAGAAGAGGCTAT 2820
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       3032 AAGTCCAGCGTGGTTGCCCTTGACGTTGACCAGCCCGGGGCCAATTACAGAAGAGGCTAT 3091

Y       2821 GACCTTCCCAAGTACCATATGGTCAGAGGCATCACATCACTGTTACCGCAGGACTGTGTG 2880
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       3092 GACCTTCCCAAGTACCATATGGTCAGAGGCATCACATCACTGTTACCGCAGGACTGTGTG 3151

Y       2881 TATCCGTCGCAGGCGCTGCCTCCCAAACCAAGGTTCCTGAGCTCCAGCGAGGTCGATTCT 2940
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       3152 TATCCGTCGCAGGCGCTGCCTCCCAAACCAAGGTTCCTGAGCTCCAGCGAGGTCGATTCT 3211

Y       2941 CCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGGGCCACTTTACACTTGTGTG 3000
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       3212 CCAAATGTGCTGACTGTTCAGAAGCCCTATGGTGGCTCCGGGCCACTTTACACTTGTGTG 3271

Y       3001 CCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAG---------------------------- 3034
             ||||||||||||||||||||||||||||||||
D       3272 CCTGCTGGTAGTCCAGCATCCAGCTCGACGTTAGAAGGAAAAAGGCCTGTGTCATATCAA 3331

Y       3035 ------------------------------------------------------------ 3034

D       3332 CACTTATCTAACAGCATGGCACAAAAGAGAAACTATGAGAATTTTATTGGGAATGCACAT 3391

Y       3035 ----------------------------------------------AAGGTCTTGGTGG 3047
                                                             |||||||||||||
D       3392 TATCGACCAAATGACAAAAAAACTTGATTCACTAATTAGGGGGAAAAAAGGTCTTGGTGG 3451

Y       3048 ATGTCAGTGCTTACTCCCCATGAAATTAAATTTTACTTCATCCTTTGAGAAGCGAATGGT 3107
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       3452 ATGTCAGTGCTTACTCCCCATGAAATTAAATTTTACTTCATCCTTTGAGAAGCGAATGGT 3511

Y       3108 GAAAGCTACTGAAATAAGCTGTGATTGTACTGTACATAAAACATATGAGGAATCTGCAAG 3167
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
D       3512 GAAAGCTACTGAAATAAGCTGTGATTGTACTGTACATAAAACATATGAGGAATCTGCAAG 3571

Y       3168 GAACACTACAGTTGTGTAA 3186
             ||||||||||||||||||
D       3572 GAACACTACAGTTGTGTAA 3590
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```
ESULT 2
S-08-680-395-3
 Sequence 3, Application US/08680395
 Patent No. 5892010
  GENERAL INFORMATION:
    APPLICANT:  Gray, Joe W.
    APPLICANT:  Collins, Colin
    APPLICANT:  Hwang, Soo-in
    APPLICANT:  Godfrey, Tony
    APPLICANT:  Kowbel, David
    APPLICANT:  Rommens, Johanna
    TITLE OF INVENTION:  Genes from the 20q13 Amplicon and Their
    TITLE OF INVENTION:  Uses
    NUMBER OF SEQUENCES:  40
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  Townsend and Townsend and Crew LLP
      STREET:  Two Embarcadero Center, Eighth Floor
      CITY:  San Francisco
      STATE:  California
      COUNTRY:  USA
```

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;       ZIP:  94111-3834
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/680,395
;       FILING DATE:  15-JUL-1996
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Bastian, Kevin L.
;       REGISTRATION NUMBER:  34,774
;       REFERENCE/DOCKET NUMBER:  023070-068900US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1507 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     FEATURE:
;       NAME/KEY:  -
;       LOCATION:  1..1507
;       OTHER INFORMATION:  /note= "cDNA clone cc49 of 6-7kb
;       OTHER INFORMATION:  transcript with homology to C2H2 zinc
;       OTHER INFORMATION:  finger genes"
US-08-680-395-3

  Query Match             34.8%;  Score 1108.6;  DB 2;  Length 1507;
  Best Local Similarity   97.1%;  Pred. No. 0;
  Matches 1156;  Conservative    3;  Mismatches   28;  Indels    3;  Gaps    3;

Qy          1 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGATGGG 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        320 ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGAT-GG 378

Qy         61 CCAGAAGTGATTGGCAGCTCTCTTGGCAGTCCGATGGAGATGGAGGATGCCTTGTCAATG 120
              ||| |||||||||||||||||| |||||||||||||||| ||||||||||||||||||||
Db        379 CCAAGAGTGATTGGCAGCTCTCTTGCCAGTCCGATGGAGATGGA-GATGCCTTGTCAATG 437

Qy        121 AAAGGGACCGCTGTTGTTCCATTCCGAGCTACACAAGAAAAAAATGTC-ATCCAAATCGA 179
              |||||| || |||||||    | |           ||||||||||||| |||| ||||||
Db        438 AAAGGGCCCNCTGTTGTCAATTCCGAGCTACACAAAGAAAAAAATGTCAATCCGAATCGA 497

Qy        180 GGGGTATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCT 239
              |||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        498 GGGGAATATGCCCTTGGATTGCATGTTCTGCAGCCAGACCTTCACACATTCAGAAGACCT 557

Qy        240 TAATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGT 299
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        558 TAATAAACATGTCTTAATGCAACACCGGCCTACCCTCTGTGAACCAGCAGTTCTTCGGGT 617

Qy        300 TGAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGA 359
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        618 TGAAGCAGAGTATCTCAGTCCGCTTGATAAAAGTCAAGTGCGAACAGAACCTCCCAAGGA 677

Qy        360 AAAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGC 419
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        678 AAAGAATTGCAAGGAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGC 737

Qy        420 TTTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACAT 479
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        738 TTTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACAT 797

Qy        480 GTGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGG 539
              |||||||||||||||||||||||||||||||||||||||||||||||||||:||||||||
Db        798 GTGCGGAAGAAGATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACRCATAATGG 857

Qy        540 CAAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAA 599
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Db        858 CAAATCGGGGGCCAGAAGCAAACTGCAGCAAGGCTTGGAGAGTAGTCCAGCAACGATCAA 917

Qy        600 CGAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAATCTGCATGGT 659

Db        918 CGAGGTCGTCCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTGCAAAATCTGCATGGT 977

Qy        660 TTGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAA 719

Db        978 TTGTGGCTTCCTATTTCCAAATAAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACCAA 1037

Qy        720 AAAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTC 779

Db       1038 AAAAACTGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGGAATGCCGTC 1097

Qy        780 CTCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGG 839

Db       1098 CTCGAGGGAGGACTTCCTGCAGTTGTTCAACTTGAGACCAAAATCTCACCCTGAAACGGG 1157

Qy        840 GAAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCA 899

Db       1158 GAAGAAGCCTGTCAGATGCATCCCTCAGCTCGATCCGTTCACCACCTTCCAGGCTTGGCA 1217

Qy        900 GCTGGCTACCAAAGGAAAAGTTGCCATTTGCCAAGAAGTGAAGGAATCGGGGCAAGAAGG 959

Db       1218 KCTGGCTACCAAAGGAAWAGTTGCCATTTGCCAAGAAGTGAAGGAATTGGGGCAAGAAGG 1277

Qy        960 GAGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGGGCAG 1019

Db       1278 GAGCACCGACAACGACGATTCGAGTTCCGAGAAGGAGCTTGGAGAAACAAATAAGAACCA 1337

Qy       1020 TTGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTC 1079

Db       1338 TTGTGCAGGCCTCTCGCAAGAGAAAGAGAAGTGCAAACACTCCCACGGCGAAGCGCCCTC 1397

Qy       1080 CGTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTG 1139

Db       1398 CGTGGACGCGGATCCCAAGTTACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTG 1457

Qy       1140 CGGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCC 1189

Db       1458 CGGCAAAGCTTTCAGAACCTACCACCAGCTGGTCTTGCACTCCAGGGTCC 1507
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RESULT 3
US-09-620-312D-61
; Sequence 61, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 61
; LENGTH: 2765
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (123)..(2291)
US-09-620-312D-61

Query Match 2.1%; Score 67.6; DB 4; Length 2765;
Best Local Similarity 62.4%; Pred. No. 1.5e-09;
Matches 106; Conservative 0; Mismatches 64; Indels 0; Gaps 0;

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Qy        379 GAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438

Db        939 GAGTTCCGCTGCCAAGTGTGCGGCCAGAGCTTTACACAGTCTTGGTTTCTCAAGGGCCAC 998

Qy        439 ATGAGAACACACAAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAAGAAGATTCAAG 498

Db        999 ATGCGTAAGCACAAGGCCTCCTTCGATCATGCGTGTCCGGTGTGCGGCCGCTGCTTCAAG 1058

Qy        499 GAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGG 548

Db       1059 GAGCCCTGGTTCCTTAAGAACCACATGAAGGTGCACGCCAGCAAGCTGGG 1108
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RESULT 4
US-09-451-651-4
; Sequence 4, Application US/09451651
; Patent No. 6489101
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin Clifford
; APPLICANT: Day, Craig Hilding
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF BREAST CANCER
; FILE REFERENCE: 210121.491
; CURRENT APPLICATION NUMBER: US/09/451,651
; CURRENT FILING DATE: 1999-11-30
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 696
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-451-651-4

Query Match 1.9%; Score 59.2; DB 4; Length 696;
Best Local Similarity 58.5%; Pred. No. 2e-07;
Matches 103; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

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Qy       1426 TGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAACGCATACAGGT 1485

Db        260 TGTGGAAAGGCATTTACCCAATGTAACCAGCTGAAAACGCATGTAAGAACTCATACAGGT 319

Qy       1486 GAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCTGAGG 1545

Db        320 GAGAAGCCATACAAATGTGAATTGTGTGATAAAGGATTTGCTCAGAAATGTCAGCTAGTC 379

Qy       1546 TATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAA 1601

Db        380 TTCCATAGTCGCATGCATCATGGTGAAGAAAAACCCTATAAATGTGATGTATGCAA 435
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RESULT 5
US-09-620-312D-1084
; Sequence 1084, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom

```
  APPLICANT:  Liu, Chenghua
  APPLICANT:  Asundi, Vinod
  APPLICANT:  Zhang, Jie
  APPLICANT:  Ren, Feiyan
  APPLICANT:  Chen, Rui-hong
  APPLICANT:  Zhao, Qing A.
  APPLICANT:  Wehrman, Tom
  APPLICANT:  Xue, Aidong J.
  APPLICANT:  Yang, Yonghong
  APPLICANT:  Wang, Jian-Rui
  APPLICANT:  Zhou, Ping
  APPLICANT:  Ma, Yunqing
  APPLICANT:  Wang, Dunrui
  APPLICANT:  Wang, Zhiwei
  APPLICANT:  John Tillinghast
  APPLICANT:  Drmanac, Radoje T.
  TITLE OF INVENTION: No. 6569662el Nucleic Acids and
  TITLE OF INVENTION:  Polypeptides
  FILE REFERENCE: 784CIP2B
  CURRENT APPLICATION NUMBER: US/09/620,312D
  CURRENT FILING DATE:  2000-07-19
  PRIOR APPLICATION NUMBER: 09/552,317
  PRIOR FILING DATE: 2000-04-25
  PRIOR APPLICATION NUMBER: 09/488,725
  PRIOR FILING DATE: 2000-01-21
  NUMBER OF SEQ ID NOS: 1105
  SOFTWARE: pt_FL_genes Version 1.0
 SEQ ID NO 1084
    LENGTH: 2920
    TYPE: DNA
    ORGANISM: Homo sapiens
    FEATURE:
    NAME/KEY: CDS
    LOCATION: (87)..(1922)
S-09-620-312D-1084

 Query Match             1.9%;  Score 59.2;  DB 4;  Length 2920;
 Best Local Similarity   58.5%;  Pred. No. 5.2e-07;
 Matches  103;  Conservative    0;  Mismatches   73;  Indels    0;  Gaps    0;

y       1426 TGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAACGCATACAGGT 1485
            ||||||||| ||      |  | |  || || |  ||| | ||||| |||||||||
b       1089 TGTGGAAAGGCATTTACCCAATGTAACCAGCTGAAAACGCATGTAAGAACTCATACAGGT 1148

y       1486 GAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCTGAGG 1545
            ||  || ||||||||||||||||||| |||||  | |      || |||||        ||
b       1149 GAGAAGCCATACAAATGTGAATTGTGTGATAAAGGATTTGCTCAGAAATGTCAGCTAGTC 1208

y       1546 TATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAA 1601
            |  ||       |  |||||    ||| || || || ||     || || |  |||
b       1209 TTCCATAGTCGCATGCATCATGGTGAAGAAAAACCCTATAAATGTGATGTATGCAA 1264


ESULT 6
S-09-016-434-312
 Sequence 312, Application US/09016434
 Patent No. 6500938
  GENERAL INFORMATION:
    APPLICANT:  Janice Au-Young
    APPLICANT:  Jeffrey J. Seilhamer
    TITLE OF INVENTION:  COMPOSITION FOR THE DETECTION OF SIGNALING
    TITLE OF INVENTION:  PATHWAY GENE EXPRESSION
    NUMBER OF SEQUENCES:  1490
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
      STREET:  3174 PORTER DRIVE
      CITY:  PALO ALTO
      STATE:  CALIFORNIA
      COUNTRY:  USA
      ZIP:  94304
    COMPUTER READABLE FORM:
      MEDIUM TYPE:  Floppy disk
      COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/016,434
;       FILING DATE:  HEREWITH
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Zeller, Karen J.
;       REGISTRATION NUMBER:  37,071
;       REFERENCE/DOCKET NUMBER:  PA-0002 US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (650) 855-0555
;       TELEFAX:  (650) 845-4166
;  INFORMATION FOR SEQ ID NO:  312:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  936 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     IMMEDIATE SOURCE:
;       LIBRARY:  CARDNOT01
;       CLONE:  184111
US-09-016-434-312

  Query Match             1.8%;  Score 56.8;  DB 4;  Length 936;
  Best Local Similarity   58.8%;  Pred. No. 1.3e-06;
  Matches   94;  Conservative    0;  Mismatches   66;  Indels    0;  Gaps    0;

Qy       1417 TGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAACG 1476
              ||||   | |||||  ||||  || |    ||  |  | || | | | ||||  |||||
Db        101 TGTAAAGAATGTGGGAAGTCCTTTCACCAGAAGGAAAATCTTACTGTACATCAGAGAACT 160

Qy       1477 CATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACA 1536
              |||||||| ||||  || || |  ||| |    ||||    |  |  |  ||||||||||
Db        161 CATACAGGGGAAANGCCCTATATTTGTAATGANTGTGGGAAATCCTCCTCCCAGAAGACA 220

Qy       1537 TCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAAC 1576
              |  ||      |||   | | |  ||| |  |||| | ||
Db        221 ACCCTTGNTCTTCATGAGAAAACTCATAATGAGGAGANAC 260


RESULT 7
US-09-976-594-691
; Sequence 691, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
;  APPLICANT: Furness, Michael
;  APPLICANT:  Buchbinder, Jenny
;  TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
;  FILE REFERENCE: PA-0041 US
;  CURRENT APPLICATION NUMBER: US/09/976,594
;  CURRENT FILING DATE:  2001-10-12
;  PRIOR APPLICATION NUMBER: 60/240,409
;  PRIOR FILING DATE: 2000-10-12
;  NUMBER OF SEQ ID NOS: 1143
;  SOFTWARE: PERL Program
; SEQ ID NO 691
;   LENGTH: 2771
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. 6673549 1068290.1
;   NAME/KEY: unsure
;   LOCATION: 1624
;   OTHER INFORMATION: a, t, c, g, or other
US-09-976-594-691

  Query Match             1.7%;  Score 55.2;  DB 4;  Length 2771;
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  Best Local Similarity   53.0%;  Pred. No. 8.1e-06;
  Matches  140;  Conservative    0;  Mismatches  123;  Indels    1;  Gaps    1;

Qy       1426 TGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAACGCATACAGGT 1485
              ||||| |||   ||| ||  || ||  || ||  | || ||||  |   | || |  ||
Db       1956 TGTGGGAAGGGCTTCAGTCAAAGTTCGTATCTTCAAATCCATCAGAAGGCCCACAGTGGA 2015

Qy       1486 GAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTCTGAGG 1545
              ||||| |||| ||||||||||   ||||  | | |      ||||   ||   ||  |
Db       2016 GAAAATCCATCCAAATGTGAAGACTGTGGGCAGGGTTTCAATCAGAGCTCACGACTTCAG 2075

Qy       1546 TATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAAGAAC 1605
                ||||  |  ||  |||      || |||| |  | |   ||  |     | ||||
Db       2076 ATTCACCAGCTGATCCATACGGGTGAGAAACCATACAAATGTGAAGAGTGTGGCAAGGGA 2135

Qy       1606 GATGGTAAAAATCAGGACACTGAAGATGCACTATTAACCGCTGACAGTGCGCAAACCAAA 1665
                | ||    |     ||  || || || |||| |      |  ||||     ||||||
Db       2136 TTTAGTCGTAGAGCAGA-TCTTAAAATTCACTGTAGGATCCACACAGGAGAGAAACCATA 2194

Qy       1666 AATTTGAAAAGATTTTTTGATGGT 1689
                | |||  | || | |  || |||
Db       2195 TAATTGTGAGGAGTGTGGGAAGGT 2218


RESULT 8
US-09-620-312D-586
; Sequence 586, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
;  APPLICANT: Tang, Y. Tom
;  APPLICANT:  Liu, Chenghua
;  APPLICANT:  Asundi, Vinod
;  APPLICANT:  Zhang, Jie
;  APPLICANT:  Ren, Feiyan
;  APPLICANT:  Chen, Rui-hong
;  APPLICANT:  Zhao, Qing A.
;  APPLICANT:  Wehrman, Tom
;  APPLICANT:  Xue, Aidong J.
;  APPLICANT:  Yang, Yonghong
;  APPLICANT:  Wang, Jian-Rui
;  APPLICANT:  Zhou, Ping
;  APPLICANT:  Ma, Yunqing
;  APPLICANT:  Wang, Dunrui
;  APPLICANT:  Wang, Zhiwei
;  APPLICANT:  John Tillinghast
;  APPLICANT:  Drmanac, Radoje T.
;  TITLE OF INVENTION: No. 6569662el Nucleic Acids and
;  TITLE OF INVENTION:  Polypeptides
;  FILE REFERENCE: 784CIP2B
;  CURRENT APPLICATION NUMBER: US/09/620,312D
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER: 09/552,317
;  PRIOR FILING DATE: 2000-04-25
;  PRIOR APPLICATION NUMBER: 09/488,725
;  PRIOR FILING DATE: 2000-01-21
;  NUMBER OF SEQ ID NOS: 1105
;  SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 586
;   LENGTH: 4272
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (309)..(1616)
US-09-620-312D-586

  Query Match             1.7%;  Score 55;  DB 4;  Length 4272;
  Best Local Similarity   54.8%;  Pred. No. 1.2e-05;
  Matches  109;  Conservative    0;  Mismatches   90;  Indels    0;  Gaps    0;

Qy       1417 TGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAACG 1476
              |||| | | |||||||| |  ||| ||  || |  ||||| | | ||||  |||||
Db       1356 TGTAATGAATGTGGAAAATCCTTCTGTGTGAAGTCAAACCTCATTGTACATCAAAGAACT 1415

Qy       1477 CATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACA 1536
              || || || || |||||||| || ||| |     ||||   |  |        | ||  ||
Db       1416 CACACTGGGGAGAAACCATATAAGTGTAATGAATGTGGGAAAACCTTCTGTGAAAAATCA 1475

Qy       1537 TCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAAAACAAACCGATGTTGCTGCTGAA 1596
              ||||  |   | ||   |  ||  ||       ||| || |      ||   |  |||
Db       1476 GCTCTCACTAAACATCAGAGGACTCACACAGGGGAGAAGCCGTATGAGTGTAATGCATGT 1535

Qy       1597 GTCAAGAACGATGGTAAAA 1615
              |  |||| |  | || | |
Db       1536 GGGAAGACCTTTAGTCAGA 1554


RESULT 9
US-09-016-434-836
; Sequence 836, Application US/09016434
; Patent No. 6500938
;  GENERAL INFORMATION:
;    APPLICANT:  Janice Au-Young
;    APPLICANT:  Jeffrey J. Seilhamer
;    TITLE OF INVENTION:  COMPOSITION FOR THE DETECTION OF SIGNALING
;    TITLE OF INVENTION:  PATHWAY GENE EXPRESSION
;    NUMBER OF SEQUENCES:  1490
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
;      STREET:  3174 PORTER DRIVE
;      CITY:  PALO ALTO
;      STATE:  CALIFORNIA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/016,434
;      FILING DATE:  HEREWITH
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Zeller, Karen J.
;      REGISTRATION NUMBER:  37,071
;      REFERENCE/DOCKET NUMBER:  PA-0002 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 855-0555
;      TELEFAX:  (650) 845-4166
;  INFORMATION FOR SEQ ID NO:  836:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  265 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      LIBRARY:  MMLR3DT01
;      CLONE:  568080
US-09-016-434-836

  Query Match             1.7%;  Score 54.8;  DB 4;  Length 265;
  Best Local Similarity   58.6%;  Pred. No. 2.3e-06;
  Matches   95;  Conservative    0;  Mismatches   67;  Indels    0;  Gaps    0;

Qy       1415 AGTGTAGTTATTGTGGAAAGTTTTTCCGTTCAAATTATTACCTCAATATTCATCTCAGAA 1474
              | |||| | | |||| |||  | ||| |   | ||  | ||| | | |||||  ||||
Db         17 AATGTAATGACTGTGAAAAAGTCTTCAGCCAGAGTTCATCCCTTACTCTTCATCAAAGAA 76

Qy       1475 CGCATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGA 1534
              |||||  || || ||||| || ||||||   |  |||| | | ||      |||||
Db         77 TTCATACTGGAGAGAAACCCTATAAATGTATAGAGTGTGGAAAAGCCTTCAGCCAGAGAT 136
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